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Data sheet 5SM2647-6



Figure similar

RC unit, 4-pole, type A, In: 100 A, 300 mA, Un AC: 400 V, for 5SP4

Model	
product brand name	SENTRON
product designation	RCD-unit
design of the product	Instantaneous
product type designation	5SM2
product version	for 5SP4
General technical data	
number of poles	4
design of pole	4 poles
size of installation devices according to DIN 43880	1
touch protection against electrical shock according to EN 50274	Finger and back-of-hand safe
mechanical service life (operating cycles) typical	10 000
overvoltage category	III
degree of pollution	2
Voltage	
type of voltage of the operating voltage	AC
insulation voltage (Ui) rated value	460 V
surge voltage resistance rated value	4 000 V
tripping fault current rated value	300 mA
• operational current	
— at 40 °C rated value	93 A
— at 45 °C rated value	93 A
— at 50 °C rated value	90 A
— at 55 °C rated value	87 A
— at 60 °C rated value	85 A
— at 65 °C rated value	83 A
— at 70 °C rated value	80 A
• operational current at AC rated value	100 A
residual current type	A
surge current resistance rated value	3 kA
supply voltage	
• at AC	400 V
• for testing equipment minimum	195 V
value range of the supply voltage frequency	50 Hz
value range of the operating frequency	50 Hz
Protection class	

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protection class IP	IP20, if the distribution board is installed, with connected conductors
protection function false tripping	Yes
Dissipation	
power loss [W]	
• for rated value of the current at AC in hot operating state per pole	5 W
• maximum	15 W
Product details	
product feature OFF-delay time adjustable	No
product feature rated fault current adjustable	No
product feature sealable	No
Connections	
connectable conductor cross-section solid	
• minimum	6 mm²
• maximum	50 mm²
connectable conductor cross-section stranded	
• minimum	6 mm²
• maximum	50 mm²
tightening torque with screw-type terminals	
• minimum	2.5 N·m
• maximum	3 N·m
position of power supply cord	top or bottom
Mechanical Design	
height	90 mm
width	124 mm
depth	70 mm
installation depth	70 mm
number of modular width units	5
fastening method	DIN-rail mounting
mounting position	any
Net Weight	712 g
Environmental conditions	
ambient temperature during operation	
• minimum	-25 °C
• maximum	45 °C
ambient temperature during storage	
• minimum	-40 °C
• maximum	75 °C
number of test cycles for environmental testing according to IEC 60068-2-30	28
Certificates	
reference code according to IEC 81346-2	F

Approvals Certificates

Environment		General Product Approval		Miscellaneous	
Environmental Con-firmations	Environmental Con-firmations	CCC	VDE		EAC

General Product Approval		other	Dangerous goods
Confirmation	UKCA, CE EG-Konf.	产品合格 QC PASS	Confirmation	Transport Information

Further information

Information on the packaging

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https://support.industry.siemens.com/cs/ww/en/view/109813875

Information for data generation and storage
https://support.industry.siemens.com/cs/ww/en/view/109995012

Information- and Downloadcenter (Catalogs, Brochures,…)
https://www.siemens.com/lowvoltage/catalogs

Industry Mall (Online ordering system)
https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=5SM2647-6

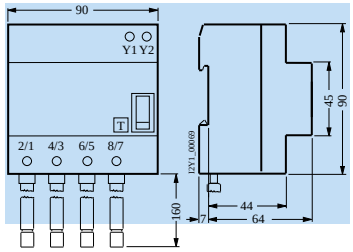
Service&Support (Manuals, Certificates, Characteristics, FAQs,...)
https://support.industry.siemens.com/cs/ww/en/ps/5SM2647-6

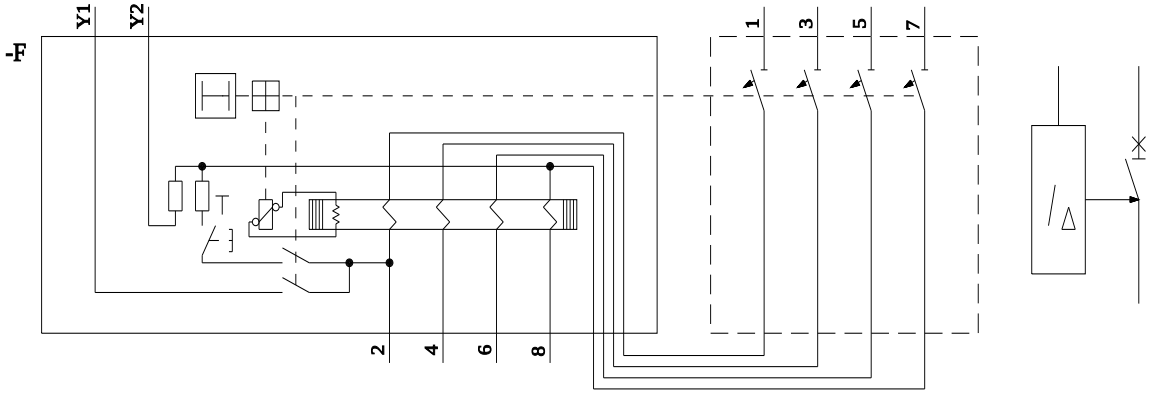
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)
https://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=5SM2647-6

CAx-Online-Generator
https://www.siemens.com/cax

Tender specifications
https://www.siemens.com/specifications

Kennlinien
https://curves.simaris.siemens.com/curves/5SM2647-6





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